

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method for producing a steel rail having a high content of carbon, wherein the rail contains, in mass%,

C: more than 0.85% but less than or equal to 1.40%,

Si: 0.05 to 2.00%,

Mn: 0.05 to 2.00%,

B: 0.0001 to 0.0050%,

N: 0.0060 to 0.0200%,

optionally one or more selected from

Cr: 0.05 to 2.00%,

Mo: 0.01 to 0.50%,

Co: 0.003 to 2.00%,

Cu: 0.01 to 1.00%,

Ni: 0.01 to 1.00%,

Ti: 0.0050 to 0.0500%,

Mg: 0.0005 to 0.0200%,

Ca: 0.0005 to 0.0150%,

Al: 0.0100 to 1.00%,

Zr: 0.0001 to 0.2000%,

V: 0.005 to 0.500% and

Nb: 0.002 to 0.050%, and

the balance being Fe and unavoidable impurities, comprising: